

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

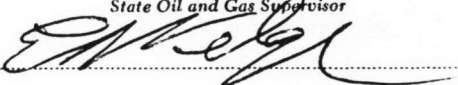
Bakersfield, California

October 14, 1987

C. C. Horace
TRIO PETROLEUM INC.
5401 Business Park South, Suite 115
Bakersfield, CA 93309

Your report of abandonment of well "Ingram" 13-73
(Name and number)
A.P.I. No. 029-80729, Section 13, T. 26S, R. 25E, M.D. B. & M.,
-- field, Kern County,
dated 08-26-87 received 09-02-87 has been
examined in conjunction with records filed in this office, and we have determined that all of
the requirements of this Division have been fulfilled.

DM:dp
Bond: 6432808
Dated: 06-18-87

M. G. MEFFERD
State Oil and Gas Supervisor
By 
E. A. WELGE, Deputy Supervisor

API NO. 029-80729

Intention / Type	Drill / OG	Abol / de-hole				
P-Report No.	487-3431	487-4809				
Proposed Pool	-	-				
Completed Pool	-	-				
Status / Date	Abol DH / 8-15-87					

	Rec'd	Hold	Rec'd	Hold	Rec'd	Hold	Rec'd	Hold	Rec'd	Hold	Rec'd	Hold
History		✓	✓									
Summary		✓	✓									
Signature		✓	✓									
Core												
SWS	✓		✓									
Logs: E-Log		✓	✓									
FDC/CNL/GR												
CBL												
mud log		✓	✓									
Diameter comp.		✓	✓									
NOTICE OF INT	✓	✓	✓									
Direct. Survey												
T-Report	✓		✓									
Environ. Inspect.			✓	Hold								
Location		✓	✓									
Elevation		✓	374 KB									
Map No.	W4-2	W4-2	1987-									
Date Entered	10/15/87	7-26-94	8290									
Initials	AR											

Drill Card	✓					
Init. Prod. (Date)	-					
6 mos. Prod. (Date)	-					
Hold For Records (Date & Initials)	8-28-87					
Records Approved (Date & Initials)	PR 10/6/87	PR 10/6/87				
Bond Eligible For Release (Date)		10/6/87				

E.D.P. Clerk					
Confid. Clerk		✓			
Form 121		10-13-87			
Bond No. 6432808	6432808	→			
Date 6-18-87	6-18-87				
Form 150 (Release)		10-13-87			
Form 159 (Final Letter)		10-14-87			

Remarks: 187- CONF.
TD-8290

Storage: 1

Final Letter Approval: DM 10/7/87

WELL SUMMARY REPORT SEP 02 1987

Operator Trio Petroleum Inc.		Well Ingram #13-73		DIVISION OF OIL & GAS BAKERSFIELD			
Field McFarland Area		County Kern		Sec. 13	T. 26S	R. 25E	B.&M. M.D.
Location (Give surface location from property or section corner, street center line and/or California coordinates) 1550' S. & 1000' W. from NE corner Section 13					Elevation of ground above sea level 362'		

Commenced drilling (date) 8-4-87	Total depth			Depth measurements taken from top of:	
	(1st hole) 8290'	(2nd)	(3rd)	<input type="checkbox"/> Derrick Floor	<input type="checkbox"/> Rotary Table
Completed drilling (date) 8-15-87	Present effective depth			Which is 12 feet above ground	
Commenced producing (date) Dry Hole	Junk None			GEOLOGICAL MARKERS	
				DEPTH	
<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping				Top Famoso 7970'	
<input type="checkbox"/> Gas lift				Top Vedder 6680'	
Name of producing zone(s)				Top Olcese 5638'	
Formation and age at total depth Eocene-Famoso					

	Clean Oil (bbl per day)	Gravity Clean Oil	Percent Water including emulsion	Gas (Mcf per day)	Tubing Pressure	Casing Pressure
Initial Production			WELL ABANDONED AS OF 8-15-87			
Production After 30 days						

CASING RECORD (Present Hole)								
Size of Casing (API)	Top of Casing	Depth of Shoe	Weight of Casing	Grade and Type of Casing	New or Second Hand	Size of Hole Drilled	Number of Sacks or Cubic Feet of Cement	Depth of Cementing (if through perforations)
16"	Surface	40'	Conductor					
9-5/8"	Surface	1604'	32.3	H-40 ST&C	N	12-1/4"	560	

PERFORATED CASING (Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

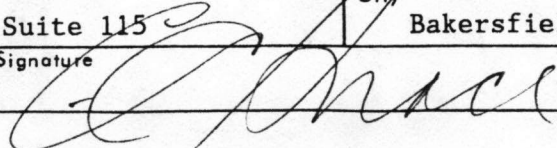
Was the well directionally drilled? If yes, show coordinates at total depth
☐ Yes ☒ No

Electrical log depths
OIL-SFL 1601' to 8382'; CNL-Density Log 1601' to 3111'; Dipmeter 1601' to 3100'

Other surveys

Mud Log

In compliance with Sec. 3215, Division 3 of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Name C. C. Horace		Title Co-Owner	
Address 5401 Business Park South, Suite 115		City Bakersfield, California	
Telephone Number (805) 324-3911		Signature 	Date 8/26/87
		Zip Code 93309	

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

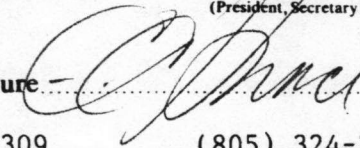
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SEP 02 1987

DIVISION OF OIL & GAS
BAKERSFIELD

History of Oil or Gas Well

Operator Trio Petroleum Inc. Field McFarland Area County Kern
Well Ingram #13-73, Sec. 13, T 26S, R 25E, M.D.B. & M.
A.P.I. No. 029-80729 Name C. C. Horace Title Co-Owner
Date August 26,, 19 87 (Person submitting report) (President, Secretary or Agent)

Signature 

5401 Business Park South, Suite 115, Bakersfield, CA 93309
(Address)

(805) 324-3911
(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

Gary Drilling Company - Rig 16
All measurements from KB which is 12' above ground.

1987

8/3 Moved in and rigged up.

8/4 Spudded at 12:00 midnight. Drilled 12-1/4" hole to 1604'. Surveys 578-0°, 1000'-0°, 1604'-0°30' N58°E. Rig up and start running 9-5/8" casing.

8/5 Ran 41 joints (1606.25 on hook) of 9-5/8" 32.3# H-40 ST&C 8 Round casing with guide shoe at 1604', insert float valve at 1564'. Dowell cemented casing with 20 bbls. water ahead, followed by 560 cu. ft. 50-50 Class "G"-poz mix, 6% D-20 and 2% D-46, followed by 115 cu. ft. Class "G" with 3% CaCl₂ with 2% D-46. Bumped plug with 1500 psi. Float held. Had 107 cu. ft. cement returns. CIP 1:20 a.m. Stood cemented four hours then welded on 9-5/8" x 11" x 3000# casinghead. Installed 3000# BOPE. Tested rams and bag - OK D.O.G. Drilled 8-3/4" hole to 2499'. Survey at 2122'-0°30' N11°E.

8/6 Drilled 8-3/4" hole 2499-3919'. Surveys 2584'-0°45' N39°E, 2749'-0°, 3250'-0°15' N6°E, 3751'-0°30' N39°E.

8/7 Drilled 8-3/4" hole 3919-4566'. Surveys 4065'-0°15' N34°E, 4566'-0°30' N52°E.

8/8 Drilled 8-3/4" hole 4566-5268'. Survey 4942'-1° N25°E.

8/9 Drilled 8-3/4" hole 5268-5941'. Surveys 5325'-1°15' N70°E, 5823'-1°15' N47°W.

8/10 Drilled 8-3/4" hole 5941-6749'. Survey 6409'-1° N7°W.

8/11 Drilled 8-3/4" hole 6749-7600'. Surveys 6858'-0°, 7391'-0°15' N54°W.

8/12 Drilled 8-3/4" hole 7600-8205'. Survey 7923'-0°30' N56°E.

8/13 Drilled 8-3/4" hole 8205-8290' T.D. Survey 8290'-0°45' S84°E. Ran Schlumberger DIL-SFL, FDCNL-GR and Dipmeter. Took 9 SWS.

Ingram #13-73
History of Oil & Gas Well
Page Two

8/14 Plugged and abandoned as directed by D.O.G.
Plug #1 - 7978-7777' - Used 84 cu. ft. Class "G" with 2% D-46.
Plug #2 - 5230-4574' - Used 244 cu. ft. Class "G" with 2% D-46.
Plug #3 - 3037-2339' - Used 303 cu. ft. Class "G" with 2% D-46.

8/15 Plug #4 - 1659-1492' - Used 95 cu. ft. Class "G" with 2% D-46.
Plug #5 - 30' to surface.

Rig released 11:00 a.m., 8-15-87.

ing-hist.swd

400 EASTMAN

Goode Core Analysis Service S.

Page 1 of 1P. O. BOX 9291
BAKERSFIELD, CALIFORNIA 93309

Company TRIO PETROLEUM INC. Formation _____ File 87061
INGRAM 13-73 Core Type SIDEWALL Date Report 18 AUG. 87
 Drilling Fluid WATER BASE Analysts BG
 County KERN State CALIF. Elev. _____ Location SEC. 13- 26S- 25E

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
1	2522	78	37.4			SD; gry, fgr, shy, no stn, no flu.
2	2538	85	38.5			Same
3	2555	65	35.6			Same
4	2570	147	37.6			Same
5	2605	84	30.7			Same
6	2643	46	36.8			SD; gry, fgr, v shy, no stn, no flu.
7	2655	64	37.4			Same
8	2830	405	32.9			SD; gry, mgr/sh lams, no stn, no flu.
9	2845	486	27.1			Same

RECEIVED

SEP 02 1987

DIVISION OF OIL & GAS
BAKERSFIELD

DIVISION OF OIL AND GAS

Report on Operations

C. C. Horace

TRIO PETROLEUM INC.

5401 Business Park South, Suite 115

Bakersfield, CA 93309

Bakersfield,

Calif.

September 22, 1987

Your operations at well "Ingram" 13-73, API No. 029-80729,
Sec. 13, T. 26S, R. 25E, B. & M. -- Field, in Kern County,
were witnessed on 8-15-87, representative of
the supervisor, was present from 0900 to 0930. There were also present
Mike Shultz, tool pusher.

Present condition of well: 16" cement 40'; 9 5/8" cement 1604'. TD 8289'. Plugged with
cement 7978'-7777', 3037'-2339', 1659'-1492', and 62'-5'.

The operations were performed for the purpose of abandonment.

DECISION: THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

*ENV OK
10/6/87
AR*

JP:jk

M. G. Mefferd, State Oil & Gas Supervisor

By: *E. A. Welge*

E. A. Welge, Deputy Supervisor

4187-664

The operations were performed for the purpose of AI

☐ The location and hardness of the cement plug @ _____' is approved.

[illegible]

Hole fluid (bailed to) at ____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
8/14	84cf	D.P. 7978	0400	R	7977±	CALCULATED		
8/14	303cf	OEDPC 3037	-	-	2339	w/8K	8/14 2100	JJ
8/15	95cf	OEDPC 1659	-	-	1492	w/10K	8/15 0330	JJ
8/15	26 cf	✓ 62	npt		5'	usual	8/15 0900	JJ

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 487- 4809

PERMIT TO CONDUCT WELL OPERATIONS

(field code)

(area code)

(new pool code)

(old pool code)

C. C. Horace
TRIO PETROLEUM INC.
5401 Business Park South, Ste. 115
Bakersfield, CA 93309

Bakersfield, California
September 9, 1987

Your _____ proposal to abandon _____ well "Ingram" 13-73
A.P.I. No. 029-80729, Section 13, T. 26S, R. 25E, M.D. B. & M.,
-- field, -- area, -- pool,
Kern County, dated 8/26/87, received 9/2/87 has been examined in conjunction with records
filed in this office.

DECISION: THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH
PRIOR AGREEMENT, IS APPROVED.

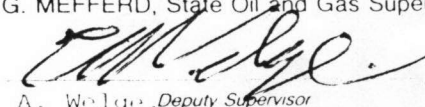
ENV OK
9/24/87
JS

Bond No. 6432808
Dated 6/18/87
Engineer W.F. White

Phone (805) 322-4031

WFW:jk

M. G. MEFFERD, State Oil and Gas Supervisor

By 
E. A. Wolge, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed
or the operations have been suspended.

Abd
dry hole
wfg

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

RECEIVED

SEP 02 1987

Notice of Intention to Abandon Well

DIVISION OF OIL & GAS
BAKERSFIELD

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	#6432808 6-18-87	87-37	

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well Ingram #13-73, API No. 029-80729, Sec. 13, T. 26S, R. 25E, M.D. B. & M., McFarland Area Field, Kern County, commencing work on August 14, 19 87.

The present condition of the well is:

1. Total depth 8290'
2. Complete casing record, including plugs and perforations (present hole)
9-5/8" - 32.3 H-40 @ 1604'
3. Last produced Dry Hole
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)
or
4. Last injected --
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows
5140-4950'
2780-2840'
2550-2600'
6. Stratigraphic markers
Top Famoso - 7870'
Top Vedder - 6680'
Top Olcese - 5638'
7. Formation and age at total depth Eocene
8. Base of fresh water sands +1600'

9. Is this a critical well according to the definition on the reverse side of this form? ☐ Yes ☒ No

The proposed work is as follows:

Plugged with cement as follows:

- #1 - 7978-7777' with 84 cu. ft. Class "G" with 2% D-46.
- #2 - 5230-4645' with 244 cu. ft. Class "G" with 2% D-26. Tag top plug @ 4574'.
- #3 - 3037-2312' with 303 cu. ft. Class "G" with 2% D-46. Tag top plug @ 2339'.
- #4 - 1659-1438' with 95 cu. ft. Class "G" with 2% D-26. Tag top plug @ 1492'.
- #5 - Surface plug 30' to 5'.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 5401 Business Park So., Ste 115
(Street)
Bakersfield, California 93309
(City) (State) (Zip)
Telephone Number (805) 324-3911
(Area Code) (Number)

Trio Petroleum Inc.
(Name of Operator)
By C. C. Horace
(Print Name)
 8/26/87
(Signature) (Date)

MEMORANDUM OF TELEPHONE OR PERSONAL CONVERSATION
(Proposed Well Operations)

Operator Trio Petroleum Well No. Ingram

Field Kern County Sec. 13 T. 26S R. 25E MD B&M
personal

A telephone conversation was held, concerning above well, with Mr. Charles Horace
for above operator August 13 1987, at 9 P M.

Details of the conversation were as follows:

Total depth ~ 8300 Plugs

Casing record

Oil or gas showings 8120 Oil, 4950-5140 Gas, 2550-2930 Gas

Results of tests

Stratigraphic markers

Geologic age at bottom Base of fresh water <1600

Operator proposes the following work:

1st Plug ^{7780 - 7980} ~~8020 - 8220~~ Tag Placing
2nd Plug 4850 - 5240 Place Tag
3rd Plug 2450 - 3030 Tag
4th Plug 50 in/out of shoe + 50% witness placing

Additional requirements outlined:

Test of W.S.O. to be witnessed by D.O.G. at By operator at

Plugs to be located by D.O.G. at By operator at

Notice to be filed immediately () Yes () Not necessary

Other data

(Signed)

Title

DIVISION OF OIL AND GAS

Report on Operations

C. C. Horace

TRIO PETROLEUM INC.

5401 Business Park South, Suite 115

Bakersfield, CA 93309

Bakersfield,

Calif.

August 13, 1987

Your operations at well "Ingram" 13-73

API No. 029-80729

Sec 13, T26S R25E, M.D. B. & M. --

Field, in Kern

County,

were witnessed on 8-5-87

Mark Gamache

, representative of

the supervisor, was present from 1130

to 1310

. There were also present

Lonny Carr, Tool Pusher.

Present condition of well: 16" 14 40'; 9 5/8" cement 1604'. TD 1604'. Plugged with cement 1604'-1564'.

The operations were performed for the purpose of testing the blowout prevention equipment and installation.

DECISION: THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

Deficiencies noted to be corrected:

1. Horn to be checked.
2. Accumulator hydraulic fluid added to proper level.

MG:jk

M. G. Mefferd, State Oil & Gas Supervisor

By *[Signature]*

E. A. Welge, Deputy Supervisor

**DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO**

T 487-541

Operator Trio Petroleum Inc. Well "Ingram" 13-73 Field Kern County County Kern

VISITS: Date 8-5-87 Engineer Mark Damack Time 1130 to 1310 Operator's Rep. Lanny Carr Title Tool Pusher
2nd _____ to _____

Casing record of well: 16" cen. 40'; 9 5/8" cen. 1604'. TD 1604'. Plugged w/cen 1604-1584.

OPERATION: Testing (inspecting) the blowout prevention equipment and installation.
DECISION: The blowout prevention equipment and installation are approved.

Proposed Well Opns: Drilling MPSP: _____ psi
Hole size: 10 3/4" fr. 40' to 1604', _____ " to _____ " to _____ "

REQUIRED
BOPE CLASS: III 346

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details	Top of Cement	
Size	Weight(s)	Grade (s)	Shoe at	CP at		Casing	Annulus
<u>9 5/8"</u>	<u>H40</u>	<u>32-3</u>	<u>1604</u>	<u>—</u>	<u>560 ct "G" tailed by 115 ct "G"</u>	<u>1564</u>	<u>102ct</u>

BOP STACK							a	b	a/b	TEST DATA			
API Symb.	Ram Sz.	Mfr.	Model or Type	Size In.	Oper. Press	Date Last Overhaul	Gal. to Close	Rec. Time Min.	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press
<u>AP</u>	<u>4 1/2"</u>	<u>Habil</u>	<u>Annular</u>	<u>10"</u>	<u>3K</u>							<u>8-5</u>	<u>1000</u>
<u>RD</u>	<u>4 1/2"</u>	<u>Schiff</u>	<u>pipe</u>		<u>✓</u>							<u>✓</u>	<u>1500</u>
<u>RD</u>		<u>✓</u>	<u>blind</u>		<u>✓</u>							<u>✓</u>	<u>1500</u>

ACTUATING SYSTEM			
Accum. Unit(s)	Wkg. Press.	<u>3000</u>	psi
Total Rated Pump Output			gpm
Distance From Well Bore		<u>25</u>	ft.
Mfr.	Accum. Cap.	Precharge	
<u>1 Koonen</u>	<u>80</u>	gal.	<u>1000</u> psi
<u>2</u>		gal.	psi
CONTROL STATIONS		Elec.	Hyd.
<u>✓</u>	Manif. at accum. unit		<u>✓</u>
<u>✓</u>	Remote at Drlr's stn.	<u>✓</u>	
	Other:		
EMERG. BACKUP SYST.		Press.	Wkg. Fl.
<u>✓</u>	N2 Cyl No: <u>3</u> Tpe: <u>12100</u>	<u>10</u>	gal
	Other:	<u>23500</u>	<u>10</u> gal
		<u>32600</u>	<u>10</u> gal
		<u>4</u>	gal
		<u>5</u>	gal
		<u>6</u>	gal

AUXILIARY EQUIPMENT						
	No.	Sz. (in)	Rated Press.	Connections		
				Weld	Flan.	Thrd.
Fill-Up Line						
<u>✓</u> Kill Line		<u>2"</u>	<u>3K</u>			<u>✓</u> 1500
<u>✓</u> Control Valve(s)	<u>1</u>		<u>✓</u>		<u>✓</u>	<u>✓</u> 1500
<u>✓</u> Check Valve(s)	<u>1</u>		<u>✓</u>		<u>✓</u>	<u>✓</u> 1500
<u>✓</u> Auxil. Pump Connec.			<u>✓</u>			<u>✓</u> 1500
<u>✓</u> Choke Line		<u>3"</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u> 1500
<u>✓</u> Control Valve(s)	<u>5</u>		<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u> 1500
<u>✓</u> Pressure Gauge						<u>✓</u>
<u>✓</u> Adjustable Choke(s)	<u>2</u>	<u>3"</u>	<u>✓</u>		<u>✓</u>	<u>✓</u> 1500
<u>✓</u> Bleed Line		<u>3"</u>		<u>✓</u>		<u>✓</u>
<u>✓</u> Upper Kelly Cock						<u>✓</u> 1000
<u>✓</u> Lower Kelly Cock		<u>4 1/2"</u>	<u>3K</u>			<u>✓</u> 1500
<u>✓</u> Standpipe Valve						<u>✓</u> 1500
<u>✓</u> Standpipe Pressure Ga.						
<u>✓</u> Pipe Safety Valve						
<u>✓</u> Internal Preventer		<u>4 1/2"</u>	<u>3K</u>			<u>✓</u> 1000

HOLE FLUID MONITORING EQUIPMENT			Alarm	Class
			Aud.	Vis.
<u>✓</u>	Calibrated Mud Pit		<u>✓</u>	<u>✓</u> A
<u>✓</u>	Pit Level Indicator		<u>✓</u>	<u>✓</u> B
<u>✓</u>	Pump Stroke Counter		<u>✓</u>	<u>✓</u> C
<u>✓</u>	Pit Level Recorder		<u>✓</u>	<u>✓</u>
<u>✓</u>	Flow Sensor		<u>✓</u>	<u>✓</u>
<u>✓</u>	Mud Totalizer		<u>✓</u>	<u>✓</u>
	Calibrated Trip Tank			
	Other:			

REMARKS: Deficiencies noted to be corrected:
(1) Horn to be checked and accumulator hydraulic fluid added to proper level.

Hole Fluid Type	Weight	Storage-Pits

PERMIT TO CONDUCT WELL OPERATIONS

00
(field code)
00
(area code)
00
(new pool code)

(old pool code)

C. C. Horace
TRIO PETROLEUM INC.
5401 Business Park South, Ste. 115
Bakersfield, CA 93309

Bakersfield, California
July 8, 1987

Your proposal to drill well "Ingram" 13-73,
A.P.I. No. 029-80729, Section 13, T. 26S, R. 25E, MD B. & M.,
 field, area, pool,
Kern County, dated 6/15/87, received 6/29/87 has been examined in conjunction with records
filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Drilling fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
2. Sufficient cement shall be pumped back of the 9 5/8" casing to fill to the surface.
3. The 9 5/8" casing shoe shall be set at 1600' or deeper.
4. The specified blowout prevention equipment, as defined by DOG Manual M07, is considered minimal and shall be installed and maintained in operating condition at all times:
On the 9 5/8" casing, DOG Class III, 3M and hole fluid monitoring equipment B.
5. THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the blowout prevention equipment prior to drilling out the shoe of the 9 5/8" casing.
6. Blowout prevention drills shall be held at least every week and the drill posted in the Tour Sheet.
7. A subsurface directional survey with azimuth is made and a plat of such survey is filed with this office within 15 days of cessation of drilling operations.
8. No change in the proposed program shall be made without prior approval of this Division.
9. This Division shall be notified prior to completion for additional casing requirements.

NOTES:

1. Before flaring or blowing gas, permission must be obtained from this Division.
2. The drilling fluids program shall conform to Section 1722.6 of the California Administrative Code. (copy attached)
3. The Division will monitor the monthly production of this well for a period of 6 months, and if anomalous water production is indicated, remedial action will be ordered.
4. Confidential status is granted for two years per Public Resources Code, Section 3234.

Bond #6432808
dated 6/18/87
Engineer David R. Clark

Phone (805) 322-4031
DRC/kr

M. G. MEFFERD, State Oil and Gas Supervisor

By E. A. Welge
E. A. Welge, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

DIVISION OF OIL AND GAS
Notice of Intention to Drill New Well

JUN 29 1987

DIVISION OF OIL & GAS

C.E.Q.A. INFORMATION			
EXEMPT <input type="checkbox"/>	NEG. DEC. <input type="checkbox"/>	E.I.R. <input type="checkbox"/>	DOCUMENT NOT REQUIRED BY LOCAL JURISDICTION <input checked="" type="checkbox"/>
CLASS _____	S.C.H. NO. _____	S.C.H. NO. _____	
See Reverse Side			

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
W4-2	7/14/87	AT	6432808 678-87	114 87/28	121 AT

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well "Ingram" #13-73, well type oil, API No. 029-80729 (Assigned by Division)
Sec. 13, T. 26S, R. 25E, MD B. & M., -- Field, Kern County.
Legal description of mineral-right lease, consisting of 61.89 acres, is as follows: _____
(Attach map or plat to scale)

Do mineral and surface leases coincide? Yes ☒ No _____. If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well 1000 feet West along section/~~property~~ line and 1550 feet South
(Direction) (Cross out one) (Direction)
at right angles to said line from the Northeast corner of section/~~property~~ 13 or
(Cross out one)

Is this a critical well according to the definition on the reverse side of this form? Yes ☐ No ☒

If well is to be directionally drilled, show proposed coordinates (from surface location) at total depth:
_____ feet _____ and _____ feet _____
(Direction) (Direction)

Elevation of ground above sea level 327 (topo) feet.

All depth measurements taken from top of kelly bushing that is 13' feet above ground.
(Derrick Floor, Rotary Table, or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES API	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING (Linear Feet)
9-5/8"	36#	J-55	0'	1600' ± 850'	850'	Fill to Surface
				Horace/62		

(A complete drilling program is preferred and may be submitted in lieu of the above program.)

Intended zone(s) of completion Famoso Estimated true vertical depth 8400'
(Name, depth, and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Name of Operator <u>Trio Petroleum Inc.</u>		Type of Organization (Corporation, Partnership, Individual, etc.) <u>Corporation</u>	
Address <u>5401 Business Park South, Suite 115</u>		City <u>Bakersfield</u>	Zip Code <u>93309</u>
Telephone Number <u>324-3911</u>	Name of Person Filing Notice <u>C. C. Horace</u>	Signature <i>C. C. Horace</i>	Date <u>6/15/87</u>

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

RECEIVED

JUN 29 1987

TRIO PETROLEUM INC.

Ingram 13-73

Section 13, T26S, R25E, MDB&M

Kern County, California

Location: 1550' South and 1000' West of the Northeast Corner of Section 13

Elevation: 327' (topo)

Expected Total Depth: 8400'

DIVISION OF OIL & GAS
DANESFIELD

Tubular Requirements:

850' - 9-5/8" OD, 36# J-55 ST&C

2700' - 5-1/2" OD, 17# N-80 LT&C

5400' - 5-1/2" OD, 17# K-55 ST&C

Geology: This well is programmed to test the Famoso sands at Total Depth

BOPE Equipment: 3M10" RRA (Class III) stack installed on 10" x 3000# casing flange

Special Equipment: Mud cleaner utilizing 8 cone desilter and fine screen separator. Have small sump pump to pump liquids back into system.

DRILLING PROCEDURE

1. Build 6'x6'x6' cellar and set 40' of 16" OD conductor. Drill rat and mouse hole to rig specs.
2. Drill 15" hole to 850"± to fit casing. Take inclination survey at 400' and T.D.
3. Run 9-5/8" 36# casing equipped with guide shoe and insert fill valve at top of shoe joint. Run 2 centralizers, one on shoe joint and one on fourth joint off bottom and use one kit of thread locking compound. Cement casing with 920 cu.ft. 1:1 Pozmix Class "G" with 2% CaCl. (Approximate 2 hours' pumping time.) Use Halliburton. Slurry volumes calculated at 50% excess. Use hydrant water for mixing cement.
4. Land casing and install 10" x 3000 psi slip-on and weld casing flange and test weld to 1500 psi. Install choke and kill lines and test to DOG requirements. Install 3M10" RRA (Class III) BOPE stack and test to 1200 psi.
5. Install Exlog mud logging equipment.
6. Pick up the following drilling assembly:
 - (a) 8-1/2" FDT or FDS bit
 - (b) 2 - 6-1/2" x 30 STL drill collars
 - (c) 3 blade stabilizer (full gauge)
 - (d) 1 - 6-1/2" x 30' STL drill collar
 - (e) 3 blade stabilizer (full gauge)
 - (f) 1 - 6-1/2" x 30 STL drill collar
 - (g) 20 jts 4-1/2" heavy weight drill pipe
 - (h) 4-1/2" x 14# x Grade "E" drill pipe as required

JUN 29 1987

DIVISION OF OIL & GAS
BAKESFIELD

2

7. Drill 8-1/2" hole to 8400'+. Take inclination surveys every 1000' and on every dull bit. Maintain drilling fluid and hydraulics as per attached program.
8. For maximizing bit weight, use 85% of buoyed weight at indicated mud weight.

Mud Weight		BHA Weight	
PCF	PPG	In Air	Bouyed Wt. (M-Lbs)
67.3	9.0	36.9	31.8
71.05	9.5	36.9	31.5
74.8	10.0	36.9	31.3

9. At Total Depth run Schlumberger combo DIL-SFL-GR-Litho Density-CNL logs and have two sidewall guns on location. No open hole DT tests are planned.
10. If well is to be completed, a completion program will be written. Plan would be to complete with 5-1/2" casing.
11. If no shows are present, abandon as directed by the DOG.

MUD PROGRAM

Interval	Type System	Density	Yield #/100 ft	Plastic Vis-CPS	WL-CC
0- 850	Gel-Water/Spud Mud	67-69	-	-	15+
850-6000	Benex-Cypan	69-72	12	18-22	10↓ 8
6000-8400	Benex-Cypan	69-72	12	18-20	8↓ 6

Run mud cleaner 24 hours per day. Use 120 mesh screens on shaker if possible. Pump liquids from sump back into mud system.

HYDRAULICS PROGRAM

*Pump Output (GPM)	Annular Velocity (Ft/Min)	Critical Velocity (Ft/Min)	Hydraulics		
			Jet Size (32)	Jet Velocity Ft./Sec.	Bit Impact Force #
315	148	D.P.-296	3-12	305	471
		Collars-418	2-12, 1-10	339	525
			2-12, 0	457	707

*Using National 8-P-80 triplex with 5-1/2" liners and 121 SPM, GPM = 315.

22.0
10

20,000

3000 2/5

1200 20
2400016000
1200
203000
602

LEGAL NOTICE

Suburban Residential Zone, E Estate Zone, E-1 Estate Zone, E-2 Estate Zone, E-3 Estate Zone, E-4 Estate Zone, E-5 Estate Zone, E-6 Estate Zone, E-7 Estate Zone, C-O Professional Office Zone, C-1 Limited Commercial Zone and C-2 Commercial Zone the following conditions shall apply:

No person, firm or corporation shall conduct the drilling of any well, hole or holes for the exploration for, development and production of oil, gas and other hydrocarbon substances, or install any equipment, structures and facilities incidental thereto, on or upon lands within the Zones above specified in Section 31.03 without first having applied for and obtained, by payment of the fee hereinafter provided, a conditional use permit from the Planning Commission so to do. No plant for the refining of petroleum products from such operation shall be permitted hereunder. The procedure for filing of applications, investigation, notices, public hearings, finding and appeal shall be the same as herein provided for variances, in Sections 34.04, 34.06, 34.07, 34.08, and 34.09 of this Ordinance, except that the Planning Commission may waive public hearing if all of the owners of surface rights within three hundred (300) feet of the proposed site consent in writing. Such permit shall provide that all drilling and producing operations shall conform to conditions No. 1 to No. 10, inclusive, as hereinafter set forth, and one or more of conditions No. 11 to No. 15, inclusive, if applicable and determined as hereinafter set forth, except that upon request of the applicant, at or subsequent to the time the permit is issued, the Planning Commission, by specific action in each instance, may waive any one or more of such conditions if it finds that such waiver will not result in material detriment to the public welfare or to the property of other persons located in the vicinity thereof.

1. That no oil or gas well shall be drilled within one hundred (100) feet of any public highway or within one hundred and fifty (150) feet of any residence constructed prior to the commencement of such drilling, without the written consent of the owner thereof.
2. That all drilling and producing shall conform to all applicable fire and safety regulations.
3. That no signs, other than directional and warning signs and those required for identification of the well shall be constructed, erected, maintained, or placed on the premises or any part thereof except those required by law or ordinance to be displayed in connection with the drilling or maintenance of the well.
4. That suitable and adequate sanitary toilet and washing facilities, approved by the Kern County Department of Health, shall be installed and maintained in a clean and sanitary condition at all times.
5. That proven technological improvements generally accepted and used in drilling and production methods shall be adopted as they may become from time to time available if capable of reducing factors of nuisance and annoyance.
6. That the derrick, all boilers

LEGAL NOTICE

and all other drilling equipment used pursuant to this section to drill any well hole or to repair, clean out, deepen or redrill any completed or drilling well, shall be removed within ninety (90) days after completion of production tests following completion of such drilling, or after abandonment of any well, unless such derrick, boilers and drilling equipment are to be used, within a reasonable time limit determined by the Planning Commission, for the drilling of another well or wells on the premises.

7. That after any well has been placed on production no earthen sumps shall be used for storage of petroleum.
 8. That within ninety (90) days after any well has been placed on production or after its abandonment earthen sumps used in drilling or production or both, unless such sumps are to be used, within a reasonable time limit determined by the Planning Commission for the drilling of another well or wells, shall be filled and the drilling site restored as nearly as practicable to a uniform grade.
 9. That any derrick used for servicing operations shall be of the portable type, provided, however, that upon presentation of proof that the well is of such depth or has such other characteristics, or for other cause, that a portable type derrick will not properly service such well, the Planning Commission may approve the use of a standard type of derrick.
 10. That prior to the drilling, redrilling or deepening of any well, the permittee shall file with the City Council a satisfactory corporate bond in favor of the City of McFarland in the sum of Five Hundred Dollars (\$500) per well or Twenty-five Hundred Dollars (\$2500) for five or more wells, executed by such permittee as principal and by an authorized surety company as surety, conditioned that the principal named in the bond shall faithfully comply with all the provisions of this section in drilling, redrilling or deepening any well or wells covered by the bond, and shall secure the City of McFarland against all losses, charges and expenses incurred by it to obtain such compliance by the principal named in the bond.
- The following additional conditions No. 11 to No. 15, inclusive, may be added by the Planning Commission if deemed necessary or desirable to protect the public health, safety, comfort, convenience and general welfare.
11. That all oil or gas produced shall be carried away by pipelines or, if produced into and shipped from tanks located on the premises, such tanks shall be surrounded by shrubs or trees, planted and maintained so as to develop attractive landscaping and, insofar as practicable, screen such tanks from public view.
 12. That, except in case of emergency, no materials, equipment, tools or pipe used for either drilling or production operations shall be delivered to or removed from the drilling site, except between the hours of 8:00 A.M. and 8:00 P.M. of any day.

LEGAL NOTICE

13. That adequate fire fighting apparatus and supplies, approved by the Kern County Fire Department, shall be maintained on the drilling site at all times during drilling and production operations.

14. That pumping wells shall be operated by electric motors or muffled internal combustion engines, and the height of all pumping units shall be not more than twenty (20) feet. All permanent equipment shall be painted and kept in neat condition. All producing operations shall be as free from noise as possible with modern oil operations.

15. That the drilling site shall be fenced or landscaped as prescribed by the Planning Commission.

If a producing well is not secured upon land subject to said permit within twelve (12) months from the date of issuance of said permit, or within any extended period thereof, the permit shall expire and the premises shall be restored to their original condition as nearly as practicable so to do. No permit shall expire, however, while the permittee is continuously conducting drilling, redrilling, completing or abandoning operations, or related operations, in a well on the lands covered by such permit, which operations were commenced while said permit was otherwise in effect. For the purposes hereof, continuous operations are operations suspended not more than thirty (30) consecutive days. If at the expiration of said twelve (12) months period the permittee has not completed his drilling program on the lands covered by such permit, the Planning Commission may, upon a written request of permittee, extend the permit for the additional time requested by permittee for the completion of such drilling program.

Section 31.04

Drilling by Counter Permit. In the M-1 Limited Manufacturing Zone, and the M-2 Light Manufacturing Zone the following conditions shall apply.

No person, firm or corporation shall drill any well hole for the exploration for, development and production of oil, gas and other hydrocarbon substances or install any equipment, structures and facilities incidental thereto without first having applied and obtained, by payment of the fee hereinafter provided, an oil well counter permit from an authorized employee of the Planning Commission. Said permit shall provide that all drilling and producing operations shall conform to conditions No. 1 to No. 10, inclusive, as specified in Section 31.03 except that upon request of the applicant, at or subsequent to the time the permit is issued, the Planning Commission, by specific action in each instance, may waive any one or more of such conditions if it finds that such waiver will not result in material detriment to the public welfare or to the property of other persons located in the vicinity thereof. No plant for the refining of petroleum products from such operation shall be permitted hereunder.

Section 31.05

Filing Fee for Oil Well Drilling. No fee shall be collected for unrestricted drilling under the provisions of Section 31.02.

The City shall charge and collect the following fees for the

LEGAL NOTICE

- storage.
9. Fat rendering.
 10. Fertilizer manufacture.
 11. Garbage, offal or dead animal reduction or dumping.
 12. Gas manufacture.
 13. Gelatin or size manufacture.
 14. Glass manufacture.
 15. Glucose or dextrine manufacture.
 16. Glue manufacture.
 17. Non-mineral oil extraction plants.
 18. Petroleum refining and reclaiming plants, if located within 1,320 feet from any property classified other than as the M-3 or U zone.
 19. Smelting of tin, copper, zinc or iron ores.
- D. The accessory buildings and structures necessary to such use located on the same lot or parcel of land.
- E. Oil and gas drilling and production shall be permitted according to the provisions of Section 31.04 of this Ordinance.
- F. Additional uses may be permitted by the Planning Commission according to the provisions of Section 35.01 and Section 35.02 of this Ordinance.
- Section 23.02:
Building Height. Thirteen (13) stories and not to exceed one hundred and fifty (150) feet.
- Section 23.03:
Front Yard. All buildings shall be located not nearer than forty (40) feet from the centerline of a street. Provided, however, that along any secondary highway, as designated by the City or County's Highway Plan, a minimum setback of forty-five (45) feet from the centerline of the highway shall be required, and along any major highway, as designated by the City or County's Highway Plan, a minimum setback of fifty-five (55) feet from the centerline of the highway shall be required.
- All buildings used exclusively for dwelling purposes shall comply with the provisions of the R-4 zone.
- Section 23.04:
Side Yard. None, except all buildings used exclusively for dwelling purposes shall comply with the provisions of the R-4 zone.
- Section 23.05:
Area Requirements. 6,000 square feet minimum lot area.
- Section 23.06:
Rear Yard. None, except all buildings used exclusively for dwelling purposes shall comply with the provisions of the R-4 zone.
- Section 23.07:
Distance Between Buildings on the Same Lot. None, except all buildings used exclusively for dwelling purposes shall comply with the provisions of the R-4 zone.

ARTICLE 24
A-1 ZONE

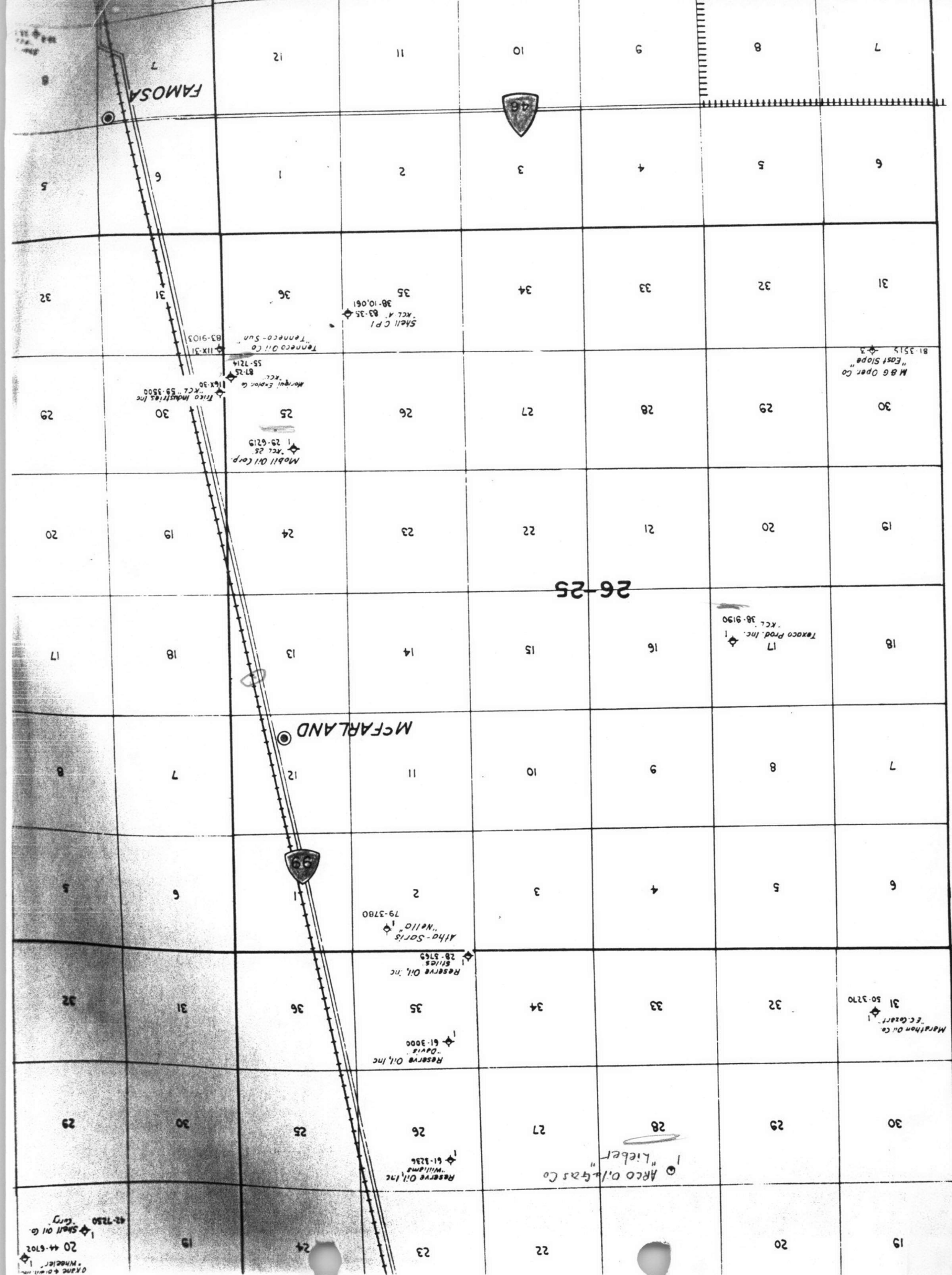
- Section 24.00:
A-1 Light Agricultural Zone. The regulations set forth in this Article shall apply in the A-1 light agricultural zone unless otherwise provided in this Ordinance.
- Section 24.01:
Uses Permitted.
- A. Any of the following uses:
1. All agricultural uses, including the keeping of poultry and rabbits or similar livestock, provided, however, that not to exceed one horse, hog, mule, cow, goat, sheep, or other similar animals shall be permitted for each one-quarter (1/4) acre of area of the parcel of land upon which the same

LEGAL NOTICE

- are kept.
2. Accessory agricultural buildings, structures and uses, including farm buildings, housing for agricultural workers, garages and implement shelters, provided no livestock or any building or enclosure used in connection with livestock shall be located nearer than one hundred (100) feet to the front lot line, nor nearer than fifty (50) feet to any existing dwelling on any contiguous property, or to any public park or school.
 3. Excavation and quarrying of natural materials, provided such operations are not conducted closer than one hundred and fifty (150) feet to any public street or highway or to any existing dwelling.
 4. Animal hospitals, kennels and veterinarians.
 5. Equestrian establishments, including stables or riding academies, schools or amusements.
 6. Storage of petroleum products for use on the premises, but not for resale.
 7. Two (2) signs not to exceed twelve (12) square feet in area, each advertising the products produced or sold on the premises or identifying the premises or occupants.
 8. Temporary stands for the sale of agricultural, horticultural or farming products grown or produced on the premises, subject to the following conditions:
 - a. That the floor area of such stands does not exceed four hundred (400) square feet.
 - b. That the stands be located not closer than fifty-five (55) feet from the centerline of any public road, street or highway right of way.
 - c. That the stand is exclusively of wood frame construction and erected in such a manner that said stand can be readily removed by means of skids or some other device.
 - d. That the owner remove such stand at his own expense when said stand is not in use for a period of thirty (30) days.
 9. Accessory buildings, structures and uses, customary and incidental to the above uses.
- B. Oil and gas drilling and production shall be permitted according to the provisions of Section 31.04 of this Ordinance.
- C. Additional uses may be permitted by the Planning Commission according to the provisions of Section 35.01 and Section 35.02 of this Ordinance.
- Section 24.02:
Building Height, Front, Side and Rear Yards, Area Requirements and Distance Between Buildings on the Same Lot.
- All buildings used for housing purposes shall comply with R-1 requirements, provided, further, that all buildings shall be located not nearer than sixty (60) feet from the centerline of any public street or highway.
- ARTICLE 25
A-2 ZONE
- Section 25.00:
A-2 General Agricultural Zone. The regulations set forth in this Article shall apply in the A-2 general agricultural zone unless otherwise provided in this Ordinance.
- Section 25.01:
Uses Permitted.
- A. Any use permitted in the A-1 zone.

LEGAL NOTICE

- B. All agricultural and grazing uses including cattle feed yards, dairies and animal sales yards.
- C. Oil and gas drilling and production shall be permitted according to the provisions of Section 31.04 of this Ordinance.
- D. Additional uses may be permitted by the Planning Commission according to the provisions of Section 35.01 and Section 35.02 of this Ordinance.
- Section 25.02:
Building Height, Front, Side and Rear Yard, Area Requirements and Distance Between Buildings on the Same Lot.
- All buildings used for housing purposes shall comply with R-1 requirements; provided, further, that all buildings shall be located not nearer than sixty (60) feet from the centerline of any public street or highway.
- ARTICLE 26
P ZONE
- Section 26.00:
Automobile Parking Zone. Land classified in a P zone may also be classified in either an A, E or R Zone and the regulations set forth in this Article shall apply in the P automobile parking zone unless otherwise provided in this Ordinance.
- Section 26.01:
Uses Permitted.
- A. Any use permitted in the A, E, or R Zone in which the land is classified and when so used subject to all of the provisions contained in the sections defining said zone.
- B. Open air, temporary parking of transient automobiles, except trucks of over fifteen hundred (1500) pounds capacity. All such parking areas shall be surfaced with a bituminous surface treatment or other surfacing of a higher type and adequate drainage shall be provided. Where such parking area abuts property classified for R or E uses, it shall be separated therefrom by a solid masonry wall six (6) feet in height, provided said wall, from the front property line to a depth equal to the required front yard on the abutting R or E classified property, shall be four (4) feet in height. Where such parking area abuts a street, it shall be separated therefrom by an ornamental fence, wall or compact cugenia or other evergreen hedge having a height of not more than four (4) feet. Such fence, wall or hedge shall be maintained in good condition.
- Each entrance and exit to a parking lot shall be constructed, and maintained so that any vehicle entering or leaving the parking lot shall be clearly visible at a distance of not less than ten (10) feet to a person approaching such entrance or exits on any pedestrian walk or foot path. Exits from parking lots shall be clearly posted with "Stop" signs and it shall be unlawful for a motorist to fail to stop at such sign before leaving the parking lot. Appropriate bumper guards, entrance and exit signs, and directional signs shall be maintained where needed. Any lights used to illuminate such parking area shall be so arranged as to reflect the light away from adjoining premises and streets.



FAMOSA

McFARLAND

26-25

0-10 Miles
0-16 Kilometers
Scale
North Arrow

Alfa-Solis
"Neilo"
79-3780

Reserve Oil, Inc.
61-3000

Reserve Oil, Inc.
61-3236

Reserve Oil, Inc.
61-3000

Reserve Oil, Inc.
61-3000

Reserve Oil, Inc.
61-3000

Reserve Oil, Inc.
61-3000

Reserve Oil, Inc.
61-3000

Reserve Oil, Inc.
61-3000

Reserve Oil, Inc.
61-3000

Texaco Prod. Inc.
KCL 38-9190

M.B.G. Oper. Co.
"East Slope"
81-3513

Marathon Oil Co.
F.C. Co. 50-3270

ARCO Oil & Gas Co.
"Kiebert"

2/26/90

5" P1L

cont. d.p

FDC/CNL/GR

shot summer

extra mudlog

cyberdip

To conf 12-11-89
Cyberlook

Trio

Ingram 13-73

Abd 1987


Fr NE Lu Gr

1550'S 1000'W

7
BFW
behind pipe

16" cm 40'  5
62


9 5/8" cm 1604'  1492
1654

 2339
3037

gas show

 4574
5230

?
oil show

 7777 calc
7978

oil show

TD 8290